

CURRICULUM VITAE

Dr. Veenu Joshi

Assistant Professor (Botany)
Center for Basic Sciences
Pt. Ravishankar Shukla University
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EDUCATIONAL QUALIFICATION:

- ❖ **Ph.D in Biotechnology (2015)** titled “Molecular Characterization Micropropagation and Conservation Studies of *Spilanthes acmella* (L.) Murray from Chhattisgarh Region” from School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur (C.G.)
- ❖ **CSIR-UGC NET LS -Life Science** qualified twice in December 2007 and December 2008
- ❖ **CSIR NET JRF in -Life Science** qualified twice in June 2009 and December 2009
- ❖ **M.Sc. Biotechnology (81.5%) Gold Medalist** from Mohanlal Sukhadia University, Udaipur (Raj.) in 2008
- ❖ **B.Sc. (78.96%)** from Mohanlal Sukhadia University, Udaipur (Raj.) in 2006
- ❖ **12th (80.6%)** from CBSE Board in 2002
- ❖ **10th (84%)** from CBSE Board in 2000

AWARDS AND FELLOWSHIPS:

- ❖ **Gold Medalist in PG**
- ❖ **Chhattisgarh Young Scientist Award** in Botany at XI Chhattisgarh Young Scientists Congress, 28 Feb - 1 March, 2013, Raipur
- ❖ **Best Paper Award** in UGC-CRO & CGCOST sponsored National Seminar
- ❖ **CSIR Junior Research Fellowship-** (2010-2012)
- ❖ **CSIR Senior Research Fellowship** (2012-2015)

TEACHING EXPERIENCE:

- ❖ **Assistant Professor (Botany) at Center for Basic Sciences** Pt. Ravishankar Shukla University, Raipur (C.G.) (24-05-2017 to present)
- ❖ **Assistant Professor (Contractual)** in S.o.S. life Science, Pt. Ravishankar Shukla University, Raipur (C.G.) (10-08-2015 to 30-4-2016)
- ❖ **Assistant Professor (Contractual)** in S.o.S. life Science, Pt. Ravishankar Shukla University, Raipur (C.G.) (8-10-2009 to 30-4-2010).

PUBLICATIONS:

- ❖ K.L.Tiwari, S.K. Jadhav and **Veenu Joshi** (2011). An updated review on medicinal herb genus *Spilanthes*. Journal of Chinese Integrative Medicine, 9(11): 1170-1178.
- ❖ Vyas., S.S. Shukla, R. Pandey, V Jain., **V. Joshi** and B. Gidwani (2012) A multifunctional miraculous nutritional herb. Asian Journal of Plant Sciences, 1-9.
- ❖ **Veenu Joshi** and S.K. Jadhav (2013). Effect of temperature and media supplements on slow growth conservation of medicinal plant *Spilanthes acmella*. Botanica Serbica, 37 (2): 155-160.
- ❖ **Veenu Joshi**, and S.K. Jadhav (2013). Effect of Media Types and Carbon Sources on *in vitro* Shoot Proliferation of *Spilanthes acmella* (L.) Murray. Plant Tissue Culture & Biotechnology, 23(2): 283-288.
- ❖ Inderpal Kaur, **Veenu Joshi** and S.K. Jadhav (2014). DNA isolation from fresh and dry leaves of some medicinal plants. Analele Universității din Oradea, Fascicula Biologie, 21(1): 45-50.
- ❖ **Veenu Joshi**, K.L.Tiwari and S.K. Jadhav (2015). *In vitro* propagation of *Spilanthes acmella* (L.) Murray using semisolid and liquid medium. Indian Journal of Biotechnology, 14(1): 112-116.
- ❖ **Veenu Joshi** and S.K. Jadhav (2015). RAPD Marker Based Genetic Diversity Analysis of *Spilanthes acmella* (L.) Murray. Planta Medica, 81(05).
- ❖ **Veenu Joshi**, G.D. Sharma and S.K. Jadhav (2020). Alkamides: Multifunctional Bioactive Agents in *Spilanthes* spp. Journal of Scientific Research, 64(1).
- ❖ B. Layek, B. Gidwani, S. Tiwari, **Veenu Joshi**, V. Jain and A. Vyas (2020). Recent advances in lipid-based nanodrug delivery systems in cancer therapy. Current Pharmaceutical Design, 26, 1-16.
- ❖ D. Arora, S. Bhatt, M. Kumar, C. Gali, H.D.C.Vattikonda, Y. Taneja, V. Jain and **Veenu Joshi** (2020). Intranasal lipid particulate drug delivery systems: An update on clinical challenges and biodistribution studies of cerebroactive drugs in alzheimer's disease. Current Pharmaceutical Design, 26, 1-19.
- ❖ **Veenu Joshi**, N. Joshi, A. Vyas, and S.K. Jadhav (2021). Pathogenesis-related proteins: Role in plant defense. In: Sudisha Jogaiyah (Ed.) Biocontrol Agents and Secondary Metabolites, Woodhead PublishingUK, Elsevier, pp.573-590.
- ❖ B. Gidwani, V. Sahu, S.S. Shukla, R. Pandey, **Veenu Joshi**, V.K. Jain, A. Vyas (2021) Quantum dots: Prospectives, toxicity, advances and applications. Journal of Drug Delivery Science and Technology, 61, 102308.
- ❖ A. Gujrati, S. Jain, **Veenu Joshi**, S.S. Shukla, A. Vyas, V. Jain (2021) Importance of chromatography techniques in phytomedicine research. In: Mandal S.C., Chakraborty R., Sen S. (eds) Evidence Based Validation of

Traditional Medicines. Springer, Singapore.

- ❖ K.K Sarwa, D. Patel, M. Rudrapal, S. Bhattacharya, S. Saraf, V. Jain, **Veenu Joshi**, R. Pandey, A. Vyas (2021). Standardization and quality evaluation of botanicals with special reference to marker components. In: Mandal S.C., Chakraborty R., Sen S. (eds) Evidence Based Validation of Traditional Medicines. Springer, Singapore.

CONFERENCES:

- ❖ Presented a paper in “Student’s Symposium on Biotechnology” January-13-14, 2008 organized by Department of Biotechnology, M.L.S. University, Udaipur, Rajasthan and stood first.
- ❖ Presented a paper in UGC-CRO & CGCOST sponsored National Seminar on “Changing Environment and Its Impact on Biodiversity” 11-12 October, 2012 organized by Dept. of Botany, Govt. D.B. Girls P.G. Autonomous College, Raipur, (C.G.) (**Best paper award**)
- ❖ Presented a paper in XI Chhattisgarh Young Scientists Congress 28 Feb - 1 March 2013 sponsored by Chhattisgarh Council of Science and Technology, Raipur organized by Govt. Nagarjuna PG College of Science , Raipur, (C.G.) (**Best paper award**)
- ❖ Presented a paper in UGC sponsored National Seminar on “Traditional knowledge and Biotechnology” 22-24 November, 2013 organized by School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur, (C.G.)
- ❖ Presented a paper in Golden Jubilee International Seminar on “Integrated Natural Resources Management: Issues and Challenges and Perspectives” 27-31 January 2014 organized by School of Regional Studies and Research, Pt. Ravishankar Shukla University, Raipur, (C.G.), India in association with Council for Tribal and Rural Development (CTRD), Bhubaneswar, Orissa, India.
- ❖ Presented a paper in National Seminar on “Innovations & Prospects in Biotechnology” 2-4 January, 2016 organized by School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur, (C.G.), India.
- ❖ Presented a paper in 3rd International Congress Society for Ethnopharmacology SFEC 2016 on “Ethnopharmacology & Evaluation of Medicinal Plants- Global Perspectives” 19-21 February 2016 organized by NCNR, Pt. Ravishankar Shukla University, Raipur, (C.G.), India in association with SFE.
- ❖ Presented a Poster in UGC sponsored National Conference on “Recent Advances in Biological Sciences Biotechnology & Sustainable Development RABBSD 2016” 18-19th March, 2016 organized by Department of Botany & Department of Biotechnology, Faculty of Science, Mohanlal Sukhadia University, Udaipur, (Raj.), India.
- ❖ Presented a paper in 2 days National Seminar on “Intellectual Property Rights & Regulatory Affairs for Indian Drugs-Basics and Emerging Trends” 29-30th

April 2016 organized by Malhotra College of Pharmacy, Bhopal in association with M.P. Council of Science & Technology, Govt. of M.P.

- ❖ Presented Poster in 69 th Indian Pharmaceutical Congress held at Chitkara University, Rajpura, Chandigarh, 22 nd – 24 th December 2017.
- ❖ Presented a paper in “International Conference on Fostering Interdisciplinary Research in Medicines” 19-21st January 2019 organized by University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur, (C.G.)
- ❖ Presented a paper in “2nd International Conference on Fostering Interdisciplinary Research in Health Sciences 2019” organized by AIMST University Sungai Patani Malaysia 14-15Sept 2019.

Place: Raipur

VEENU JOSHI

WORKSHOPS:

- ❖ Participated in a Workshop on Chromatographic Techniques December 13, 2011 organized by University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur, Chhattisgarh.
- ❖ Participated in I/II/III/IV days U.G.C. sponsored workshop on “Hands on DNA Technologies (8th to 11th January, 2013 organized by Department of Botany, Govt. Nagarjuna Post Graduate College of Science, Raipur, (C.G.)
- ❖ Participated in workshop organized by HiMedia Laboratories Pvt. Ltd. on “Molecular Biology- X-Pert teaching Kits” 8-11 January, 2013
- ❖ Participated in workshop on Prospection and Sustainable Use of Medicinal Plants of Chhattisgarh (Sept 10-11, 2012) organized under auspices of National Center for Natural Resources by Pt. Ravishankar Shukla University, Raipur, Chhattisgarh.
- ❖ Participated in National workshop on “Research Methodology in Basic Sciences, Engineering & Technology” from Aug 29 to Sept 02, 2013 organized by Association of Indian Universities (AIU) and Pt. Ravishankar Shukla University, Raipur, Chhattisgarh.

- ❖ Participated in Interaction Program (Science and Life Sciences) from 23-3-2013 to 25-3-2013 organized by Academic Staff College, Pt. Ravishankar Shukla University, Raipur, Chhattisgarh.
- ❖ Participated in 3 days workshop with hands- on training on “Diagnosis of Diseases and Molecular Evaluation” 11-13th November, 2014 organized by APTI State Branch Chhattisgarh in association with University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur, Chhattisgarh.
- ❖ Participated in workshop on “Intellectual Property & Innovation Management” 22th January, 2016 organized by Intellectual Property Right Cell, Pt. Ravishankar Shukla University, Raipur, Chhattisgarh in association with Internal Quality Assurance Cell of Pt. RSU and National Research Development Corporation, New Delhi held at University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur, Chhattisgarh.
- ❖ Participated in workshop organized by HiMedia Laboratories Pvt. Ltd. on “Molecular Biology- HiPer Teaching Kits” 8-9th February, 2016 at SoS in Life Science, Pt. Ravishankar Shukla University, Raipur, Chhattisgarh.
- ❖ Participated in national workshop on “Aptitude Development and Conceptualization of Research in Chemical, Biological and Inter-disciplinary Sciences” held on February 26, 2017 sponsored by Indian society of Chemists and Biologists, Local Chapter: Udaipur.
- ❖ Participated in workshop on “Research Methodology, SPSS & R” held from 26-8-2017 to 1-9-2017 organized by SoS in Statistics and SoS in Psychology, Pt. Ravishankar Shukla University, Raipur, Chhattisgarh.
- ❖ Guest Speaker in National Workshop on “In Vitro Cell Lines Study for Drug Discovery and Development” sponsored by ICMR organized by Columbia Institute of Pharmacy, Raipur 8-9th Sep 2017.
- ❖ Guest Speaker in National Workshop on “In Vitro Cell Lines Study for Drug Discovery and Development” sponsored by ICMR organized by Columbia Institute of Pharmacy, Raipur 8-9th Sep 2017.
- ❖ Participated in STEM Teacher Training Workshop on Research Based Pedagogical Tools held from 6th October-9th October 2017 at Ravishankar Shukla University, Raipur, Chhattisgarh jointly sponsored by DBT, Newton Bhabha Fund of British Council, Center for Excellence in Science and Mathematics Education, IISER Pune.

REFRESHER COURSE

- ❖ Participated in 3-weeks UGC-Sponsored Refresher Course in Life Sciences held from 3-7-2018 to 23-07-2018.

TECHNICAL SKILLS

- ❖ Computer knowledge
- ❖ Microsoft office, well versed in internet exploring with scientific searching
- ❖ Softwares: NTSYSp, SPSS, ImageJ, Adobe Photoshop
- ❖ Instruments handled: UV-Vis Spectrophotometer, Thermocycler (PCR), Gel Documentation, Gel Electrophoresis
- ❖ Well acquainted with Plant Tissue Culture Techniques
- ❖ Well acquainted with DNA Marker Analysis RAPD, ISSR

Date: 10-08-2019

Dr. Veenu Joshi